

REMARKS

Claims 1-26 are pending in the present application. The Examiner has required restriction to one of the following inventions pursuant to 35 USC §121:

Group I. Claims 1-24, drawn to a method and apparatus for determining the composition of a material, classified in class 73, subclass 597; and

Group II. Claims 25-26, drawn to an ultrasonic apparatus with a specific relationship between the ultrasonic transmitter and the ultrasonic receiver of the system, classified in class 73, subclass 602.

Applicant elects Group I. Claims 1-24, drawn to a method and apparatus for determining the composition of a material for examination in response to the restriction requirement.

The Examiner has further required an election of species if Group I is elected. The species identified by the Examiner are the following:

I(a). Measuring the attenuation of the ultrasonic signals to derive an attenuation curve as a function of change in the ultrasonic wave frequency; and

I(b). Measuring the phase of the ultrasonic signals to derive a phase curve as a function of change in the ultrasonic wave frequency.

The Examiner acknowledges that claims 18-24 are generic.

In response to the requirement to elect a species, Applicant elects I(a). Claims 1-9, generic claims 18-24, and newly added claim 27 read on the species I(a). Newly added claim 27 is a method claim having a scope commensurate with generic apparatus claim 18. Claim 1 has been amended to depend from newly added claim 27.

The application is believed to be in a condition for allowance. If a conversation would help to expedite prosecution of this case, the Examiner is encouraged to contact the undersigned by telephone.

No fee is believed to be due in this instance. The undersigned hereby authorizes the charge of any deficiency of fees submitted herewith, or the credit of any overpayment, to deposit account number 19-5117.

Respectfully Submitted,



James L. Brown, #48,576
Swanson & Bratschun, LLC
1745 Shea Center Drive, Suite 330
Highlands Ranch, Colorado 80129
303.268.0066
303.268.0065 (FAX)

cc: Wes Cobb

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